

**Table 9.10a**  
**Unadjusted Graft Survival, Deceased Donor Liver Transplants**  
**Survival at 3 Months, 1 Year, 5 Years, and 10 Years**

	3 Months			1 Year			5 Years			10 Years		
	(Tx 2006 - 2007)			(Tx 2006 - 2007)			(Tx 2002 - 2007)			(Tx 1997 - 2007)		
	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.
<b>Total</b>												
All	11,458	91.2%	0.3%	11,458	84.3%	0.3%	32,307	68.4%	0.3%	53,673	54.1%	0.3%
<b>Age at Tx</b>												
<1 Year	228	85.5%	2.3%	228	81.6%	2.6%	699	77.3%	1.7%	1,286	67.0%	1.6%
1-5 Years	293	91.5%	1.6%	293	88.4%	1.9%	872	75.2%	1.7%	1,554	70.2%	1.3%
6-11 Years	148	91.9%	2.2%	148	89.9%	2.5%	441	78.6%	2.2%	837	71.0%	1.9%
12-17 Years	194	92.8%	1.9%	194	88.7%	2.3%	590	78.2%	2.0%	1,088	58.9%	2.4%
18-34 Years	640	90.3%	1.2%	640	85.3%	1.4%	1,828	67.6%	1.4%	3,242	56.1%	1.2%
35-49 Years	2,471	92.4%	0.5%	2,471	85.3%	0.7%	8,156	70.0%	0.6%	15,769	54.8%	0.6%
50-64 Years	6,362	91.1%	0.4%	6,362	83.9%	0.5%	16,753	67.4%	0.5%	25,420	52.6%	0.5%
65+ Years	1,122	90.6%	0.9%	1,122	81.9%	1.1%	2,968	61.8%	1.2%	4,477	41.2%	1.3%
<b>Recipient Ethnicity/Race</b>												
White	8,109	91.1%	0.3%	8,109	84.0%	0.4%	23,190	68.6%	0.4%	39,230	54.1%	0.4%
African American	1,138	90.7%	0.9%	1,138	83.0%	1.1%	3,121	61.4%	1.1%	4,997	47.2%	1.1%
Hispanic/Latino	1,544	92.0%	0.7%	1,544	85.6%	0.9%	4,184	70.8%	0.9%	6,668	56.8%	1.0%
Asian	563	92.2%	1.1%	563	88.1%	1.4%	1,533	73.8%	1.4%	2,361	63.1%	1.4%
Other/Multi-race	104	90.4%	2.9%	104	81.7%	3.8%	279	62.9%	3.6%	417	50.6%	4.3%
<b>Recipient Gender</b>												
Female	3,856	90.2%	0.5%	3,856	83.7%	0.6%	10,959	69.2%	0.5%	19,279	55.1%	0.5%
Male	7,602	91.7%	0.3%	7,602	84.6%	0.4%	21,348	68.0%	0.4%	34,394	53.4%	0.4%
<b>Recipient Blood Type</b>												
O	5,218	90.9%	0.4%	5,218	84.1%	0.5%	14,296	68.4%	0.5%	23,133	54.5%	0.5%
A	4,135	92.1%	0.4%	4,135	84.8%	0.6%	12,014	68.7%	0.5%	20,693	53.5%	0.5%
B	1,465	90.0%	0.8%	1,465	83.1%	1.0%	4,264	68.2%	0.9%	7,054	53.6%	0.9%
AB	640	91.1%	1.1%	640	85.6%	1.4%	1,733	67.7%	1.4%	2,793	56.5%	1.4%
<b>Previous Liver Tx</b>												
No	10,551	91.9%	0.3%	10,551	85.3%	0.3%	29,604	69.8%	0.3%	48,827	55.5%	0.3%
Yes	907	82.8%	1.3%	907	73.2%	1.5%	2,703	54.0%	1.2%	4,846	40.1%	1.0%

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<b>Total</b>												
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<b>Recipient Residency</b>												
U.S. Resident	11,376	91.2%	0.3%	11,376	84.3%	0.3%	32,008	68.3%	0.3%	52,871	53.8%	0.3%
Nonresident Alien	82	90.2%	3.3%	82	89.0%	3.5%	298	78.3%	2.7%	730	70.8%	2.0%
Unknown	0	-	-	0	-	-	1	0.0%	0.0%	72	41.6%	5.8%
<b>Hospitalized at Tx</b>												
Not Hospitalized	8,136	93.2%	0.3%	8,136	86.8%	0.4%	22,747	70.5%	0.4%	35,295	56.3%	0.4%
Hospitalized	1,799	89.8%	0.7%	1,799	82.2%	0.9%	4,996	66.6%	0.8%	8,474	51.9%	0.8%
In Intensive Care	1,523	82.2%	1.0%	1,523	73.3%	1.1%	4,564	60.3%	0.8%	9,877	48.1%	0.7%
Unknown	0	-	-	0	-	-	0	-	-	27	66.7%	9.1%
<b>Life Support at Tx</b>												
No	10,719	92.2%	0.3%	10,719	85.5%	0.3%	29,887	69.5%	0.3%	48,569	55.1%	0.4%
Yes	739	77.1%	1.5%	739	67.5%	1.7%	2,420	54.7%	1.1%	5,032	43.4%	0.9%
Unknown	0	-	-	0	-	-	0	-	-	72	71.8%	5.4%
<b>Primary Diagnosis</b>												
Non-Cholestatic Cirrhosis	6,640	92.0%	0.3%	6,640	84.3%	0.4%	19,258	67.7%	0.4%	32,968	51.8%	0.4%
Cholestatic Liver Disease/Cirrhosis	1,033	91.2%	0.9%	1,033	86.9%	1.0%	2,947	75.3%	0.9%	5,479	61.3%	0.9%
Acute Hepatic Necrosis	691	87.6%	1.3%	691	82.8%	1.4%	2,228	66.6%	1.2%	4,087	52.7%	1.1%
Biliary Atresia	318	91.2%	1.6%	318	89.0%	1.8%	1,010	81.3%	1.4%	1,911	72.7%	1.3%
Metabolic Diseases	350	86.6%	1.8%	350	83.4%	2.0%	1,018	75.1%	1.6%	1,784	66.0%	1.6%
Malignant Neoplasms	1,593	92.7%	0.7%	1,593	85.4%	0.9%	3,391	63.2%	1.2%	3,905	46.4%	2.0%
Other	833	87.3%	1.2%	833	79.0%	1.4%	2,455	64.7%	1.1%	3,539	54.0%	1.4%

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<b>Total</b>												
All	11,458	91.2%	0.3%	11,458	84.3%	0.3%	32,307	68.4%	0.3%	53,673	54.1%	0.3%
<b>Waiting List Status at Tx</b>												
1	0	-	-	0	-	-	1,802	65.0%	1.2%	4,641	51.0%	0.9%
2	0	-	-	0	-	-	0	-	-	719	49.8%	1.9%
2A	0	-	-	0	-	-	179	64.8%	3.6%	4,020	49.1%	0.9%
2B	0	-	-	0	-	-	374	69.5%	2.4%	10,666	54.3%	0.6%
3	0	-	-	0	-	-	76	76.3%	4.9%	3,700	57.3%	0.8%
MELD 6-10	331	91.8%	1.5%	331	83.1%	2.1%	1,095	61.6%	1.8%	1,095	+	+
MELD 11-14	602	92.0%	1.1%	602	86.5%	1.4%	2,133	71.5%	1.1%	2,133	+	+
MELD 15-20	2,256	93.8%	0.5%	2,256	88.1%	0.7%	6,145	73.1%	0.7%	6,146	+	+
MELD 21-30	2,632	91.2%	0.6%	2,632	84.2%	0.7%	6,695	67.0%	0.7%	6,696	+	+
MELD >30	1,523	87.6%	0.8%	1,523	76.8%	1.1%	3,993	61.9%	1.0%	3,993	+	+
PELD <11	104	93.3%	2.5%	104	91.3%	2.8%	392	85.8%	1.8%	392	+	+
PELD 11-14	26	92.3%	5.2%	26	88.5%	6.3%	113	77.9%	4.4%	113	+	+
PELD 15-20	66	93.9%	2.9%	66	90.9%	3.5%	161	78.9%	3.6%	161	+	+
PELD 21-30	66	90.9%	3.5%	66	86.4%	4.2%	183	74.4%	4.0%	183	+	+
PELD >30	37	86.5%	5.6%	37	83.8%	6.1%	77	77.9%	4.7%	77	+	+
HCC T1	10	100.0%	0.0%	10	90.0%	9.5%	357	71.1%	2.4%	357	+	+
HCC T2	1,947	93.6%	0.6%	1,947	86.4%	0.8%	4,934	65.7%	0.9%	4,934	+	+
Other Exceptions	1,034	92.1%	0.8%	1,034	86.3%	1.1%	2,602	72.5%	1.1%	2,602	+	+
Other Status	0	-	-	0	-	-	13	44.9%	14.1%	62	30.2%	5.9%
<b>Yearly Center Volume</b>												
0-9	170	89.4%	2.4%	170	84.1%	2.8%	551	67.2%	2.5%	1,613	59.0%	1.6%
10-19	406	91.6%	1.4%	406	86.9%	1.7%	1,667	71.8%	1.4%	2,797	57.2%	1.5%
20-34	977	92.9%	0.8%	977	86.3%	1.1%	3,406	70.7%	1.0%	7,288	54.7%	0.9%
35-56	1,800	90.7%	0.7%	1,800	84.5%	0.9%	5,796	69.3%	0.7%	10,245	54.1%	0.7%
57+	8,105	91.1%	0.3%	8,105	83.9%	0.4%	20,887	67.6%	0.4%	31,730	53.4%	0.4%

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<b>Total</b>												
All	11,458	91.2%	0.3%	11,458	84.3%	0.3%	32,307	68.4%	0.3%	53,673	54.1%	0.3%
<b>Cold Ischemic Time</b>												
0-5 Hours	3,287	93.5%	0.4%	3,287	87.9%	0.6%	8,300	72.3%	0.6%	12,028	57.4%	0.8%
6-10 Hours	6,042	91.0%	0.4%	6,042	83.7%	0.5%	16,574	68.6%	0.4%	27,245	54.7%	0.5%
11-15 Hours	948	87.4%	1.1%	948	80.1%	1.3%	3,115	63.5%	1.0%	6,158	50.3%	0.9%
16-20 Hours	83	89.2%	3.4%	83	77.1%	4.6%	289	61.8%	3.1%	642	45.3%	2.6%
21+ Hours	71	94.4%	2.7%	71	81.7%	4.6%	187	75.4%	3.5%	362	53.1%	3.9%
Unknown	1,027	88.7%	1.0%	1,027	81.3%	1.2%	3,842	63.7%	0.9%	7,238	51.1%	0.9%
<b>Donor Age</b>												
<1 Year	96	79.2%	4.1%	96	75.0%	4.4%	266	70.3%	3.1%	493	65.4%	2.5%
1-5 Years	243	89.7%	1.9%	243	87.2%	2.1%	743	78.7%	1.6%	1,455	74.1%	1.3%
6-11 Years	228	91.2%	1.9%	228	86.0%	2.3%	694	77.8%	1.8%	1,464	65.0%	1.7%
12-17 Years	823	92.7%	0.9%	823	88.7%	1.1%	2,584	76.6%	1.0%	4,913	61.2%	1.0%
18-34 Years	3,342	92.8%	0.4%	3,342	86.9%	0.6%	9,371	72.9%	0.6%	15,712	58.6%	0.6%
35-49 Years	2,933	91.3%	0.5%	2,933	84.2%	0.7%	8,175	68.3%	0.6%	13,513	52.0%	0.7%
50-64 Years	2,732	90.3%	0.6%	2,732	81.5%	0.7%	7,491	62.7%	0.7%	11,612	47.1%	0.8%
65+ Years	1,061	88.3%	1.0%	1,061	80.2%	1.2%	2,983	56.0%	1.2%	4,509	38.6%	1.3%
Unknown	0	-	-	0	-	-	0	-	-	2	+	+

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<b>Transplant Center State</b>												
Alabama	173	94.8%	1.7%	173	90.8%	2.2%	478	73.9%	2.7%	931	61.6%	2.3%
Arkansas	51	96.1%	2.7%	51	96.1%	2.7%	66	+	+	66	+	+
Arizona	175	95.4%	1.6%	175	91.4%	2.1%	437	77.5%	2.6%	622	66.8%	3.6%
California	1,319	92.0%	0.7%	1,319	85.4%	1.0%	3,794	70.5%	0.9%	6,623	56.3%	0.9%
Colorado	172	89.5%	2.3%	172	86.0%	2.6%	467	78.5%	2.4%	810	65.3%	2.5%
Connecticut	54	92.6%	3.6%	54	87.0%	4.6%	168	71.1%	4.2%	314	55.5%	3.8%
District of Columbia	112	89.3%	2.9%	112	86.6%	3.2%	300	57.9%	3.8%	418	56.2%	3.3%
Delaware	13	92.3%	7.4%	13	84.6%	10.0%	42	75.2%	8.2%	49	+	+
Florida	1,055	93.1%	0.8%	1,055	85.6%	1.1%	3,124	68.3%	1.0%	5,175	52.8%	1.1%
Georgia	267	92.9%	1.6%	267	80.5%	2.4%	674	59.5%	2.5%	1,080	48.4%	2.3%
Hawaii	22	90.9%	6.1%	22	77.3%	8.9%	72	73.1%	5.9%	117	61.7%	6.2%
Iowa	42	92.9%	4.0%	42	88.1%	5.0%	162	79.2%	3.7%	363	52.7%	4.1%
Illinois	456	86.0%	1.6%	456	75.2%	2.0%	1,368	61.5%	1.6%	2,324	47.3%	1.5%
Indiana	246	93.5%	1.6%	246	86.2%	2.2%	846	69.6%	1.9%	1,117	51.6%	3.1%
Kansas	119	95.0%	2.0%	119	89.9%	2.8%	249	74.7%	3.5%	429	54.1%	3.8%
Kentucky	168	92.3%	2.1%	168	83.3%	2.9%	477	69.6%	2.5%	723	55.5%	2.8%
Louisiana	241	93.8%	1.6%	241	90.9%	1.9%	835	66.6%	2.0%	1,282	50.3%	2.4%
Massachusetts	246	88.2%	2.1%	246	79.3%	2.6%	723	66.1%	2.1%	1,303	54.4%	1.9%
Maryland	181	83.4%	2.8%	181	72.9%	3.3%	456	57.3%	2.8%	765	44.6%	2.6%
Michigan	346	91.9%	1.5%	346	83.2%	2.0%	985	69.5%	1.7%	1,498	52.5%	2.2%
Minnesota	234	91.9%	1.8%	234	83.8%	2.4%	720	73.1%	1.9%	1,354	61.9%	1.8%
Missouri	290	91.0%	1.7%	290	87.9%	1.9%	724	70.1%	2.2%	1,188	58.3%	2.1%
North Carolina	237	86.5%	2.2%	237	80.2%	2.6%	687	63.8%	2.2%	1,263	53.5%	2.0%
Nebraska	179	93.9%	1.8%	179	85.5%	2.6%	481	69.8%	2.6%	914	57.1%	2.2%
New Jersey	153	96.7%	1.4%	153	88.2%	2.6%	491	68.4%	2.6%	823	56.7%	2.5%
New Mexico	0	-	-	0	-	-	0	-	-	39	61.4%	7.8%
New York	1,070	87.1%	1.0%	1,070	77.3%	1.3%	2,754	59.9%	1.2%	4,305	47.6%	1.1%
Ohio	460	90.0%	1.4%	460	84.1%	1.7%	1,193	69.1%	1.7%	2,015	53.1%	1.7%
Oklahoma	121	95.9%	1.8%	121	88.4%	2.9%	346	75.9%	2.7%	583	68.1%	2.9%
Oregon	112	99.1%	0.9%	112	94.6%	2.1%	283	80.7%	2.9%	535	57.5%	3.3%
Pennsylvania	843	91.6%	1.0%	843	85.5%	1.2%	2,650	66.0%	1.1%	4,535	52.2%	1.1%
South Carolina	125	89.6%	2.7%	125	85.6%	3.1%	299	75.1%	2.9%	571	48.2%	3.3%
Tennessee	365	91.8%	1.4%	365	85.8%	1.8%	779	68.3%	2.2%	1,230	54.2%	2.2%
Texas	982	92.3%	0.9%	982	86.5%	1.1%	2,801	71.5%	1.0%	4,398	56.0%	1.3%
Utah	115	90.4%	2.7%	115	83.5%	3.5%	324	78.0%	2.6%	516	61.5%	3.6%

(Continued)

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**Table 9.10a (Continued)**  
**Unadjusted Graft Survival, Deceased Donor Liver Transplants**  
**Survival at 3 Months, 1 Year, 5 Years, and 10 Years**

	3 Months			1 Year			5 Years			10 Years		
	(Tx 2006 - 2007)			(Tx 2006 - 2007)			(Tx 2002 - 2007)			(Tx 1997 - 2007)		
	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.
<b>Transplant Center State</b>												
Virginia	216	87.0%	2.3%	216	82.9%	2.6%	560	67.0%	2.5%	1,008	48.3%	2.3%
Washington	243	94.2%	1.5%	243	90.1%	1.9%	694	74.5%	2.0%	1,056	55.3%	2.9%
Wisconsin	255	91.0%	1.8%	255	85.1%	2.2%	798	73.6%	1.8%	1,331	57.6%	2.0%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(+) = Values not determined due to insufficient follow-up. (-) = Values not determined since there were no transplants in the category.

Cohorts are transplants performed during the years listed at the top of the table.

Graft survival follows individual transplants until graft failure. Counts for patient and graft survival are different because a patient may have more than one transplant for a type of organ.

Center volume = Center's yearly transplants performed during the base period, based on liver transplants.

Multi-organ transplants are excluded.

Medical urgency status codes have changed over time. See Technical Notes chapter for further information.